

## ABSTRACT

### 5            DEVICE FOR RECEIVING AND/OR TRANSMITTING              ELECTROMAGNETIC WAVES WITH RADIATION DIVERSITY

             The present invention relates to a device for  
receiving and/or transmitting electromagnetic waves  
10 with radiation diversity.

             This device comprises, on a common substrate (3),  
at least one antenna of the slot type (1) formed by a  
closed curve, known as a slot antenna,  
electromagnetically coupled to a first supply line (6),  
15 and an antenna radiating parallel to the substrate (2),  
positioned inside the slot antenna and connected to a  
second supply line, said first and second supply lines  
being connected via a switching means to means for  
exploiting the electromagnetic waves.

20            The device can be applied, in particular, in the  
field of wireless transmissions.

Fig. 1